## LISTING OF CLAIMS

- 1. (previously presented) A process for producing a positive electrode for a secondary battery, said process comprising:
- (a) calcining a raw material containing a lithium compound under an oxidizing atmosphere to produce calcined powders;
- (b) forming said calcined powders to a shape of an electrode after incorporating organic fibers or organic polymer particles thereinto; and
- (c) calcining the formed calcined powders under the oxidizing atmosphere, thereby obtaining a porous sintered positive electrode;

wherein the calcining in step (a) of the raw material is conducted at a temperature lower than the temperature of calcining in step (c) of the formed powders; and

wherein the calcining of the raw material in step (a) is conducted for a period of time less than the period of time of calcining in step (c) of the formed powders.

- 2. (previously presented) A process for producing a positive electrode for a secondary battery, said process comprising:
- (a) calcining a raw material containing a lithium compound under an oxidizing atmosphere to produce calcined powders;

- (b) forming said calcined powders to a shape of an electrode after incorporating organic fibers or organic polymer particles thereinto; and
- (c) calcining the formed calcined powders under the oxidizing atmosphere, thereby obtaining a porous sintered positive electrode;

wherein the calcining in step (a) of the raw material is conducted at a temperature lower than the temperature of calcining in step (c) of the formed powders;

wherein the calcining of the raw material in step (a) is conducted for a period of time less than the period of time of calcining in step (c) of the formed powders; and

wherein said organic fibers have a cross-sectional diameter of 0.1 to 100  $\mu m$  and said organic polymer particles have a diameter of 0.1 to 100  $\mu m$  .

- 3. (canceled)
- 4. (canceled)
- 5. (previously presented) A process for producing a porous sintered positive electrode for a secondary battery, said process comprising:

- (a) calcining a raw material containing a lithium compound under an oxidizing atmosphere to produce calcined powders;
- (b) mixing the calcined powders with a removable material selected from the group consisting of organic fibers and organic polymer particles to form a raw mixture;
  - (c) forming said raw mixture into a raw electrode; and
- (d) heating said raw electrode to remove the removable material, thereby converting said raw electrode into a porous sintered positive electrode;

wherein the calcining in step (a) of the raw material is conducted at a temperature lower than the temperature of calcining in step (d) of the formed powders; and

wherein the calcining of the raw material in step (a) is conducted for a period of time less than the period of time of calcining in step (d) of the formed powders.